

Title (en)  
METHOD AND APPARATUS FOR MEASURING CO-CHANNEL INTERFERENCE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR MESSUNG VON GLEICHKANALINTERFERENZ

Title (fr)  
PROCEDE ET DISPOSITIF DE MESURE D'INTERFERENCE DANS LE MEME CANAL

Publication  
**EP 1228579 A2 20020807 (EN)**

Application  
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Abstract (en)  
[origin: US6256486B1] A mobile communication system includes cell segments each associated with a base station. The base station includes transceivers capable of communicating over two sets of carriers. A first set of carriers carry circuit-switched traffic, while the second set of carriers carry packet-switched data. Co-channel interference measurements are made by mobile units or by a serving base station in each cell segment during communications of active bursts of traffic or control signaling. Such bursts may include a training sequence that is used by the measuring device to recreate a burst without interference contributions. Co-channel interference is then determined based on the recreated bursts and the received bursts. Multiple interference values may be derived and applied to an averaging filter to calculate the final interference contribution value.

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IPC 8 full level  
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